

## MA-WD35-DS15

### 3.3-3.8 GHz Dual Slant WiMAX Base Station Antenna, 90°

MARS Dual Slant Base Station Antenna is light-weight yet has a robust and durable construction.

Additional Features:

- Specially designed for WiMAX applications.
- Quick and easy installation.
- Easy mounting allowing obtaining required down tilt.
- Suitable for harsh environment installations.
- DC grounded.

Applications:

- WiMAX – licensed band applications.
- Point-to-Multi Point Applications.
- WLL applications.



## Specifications

### Electrical

Frequency range	3.3-3.8 GHz
GAIN, typ.	15 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Polarized $\pm 45^\circ$
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	8°
Down tilt, E-Plane	2°
Front to Back Ratio.	-20 dB
Port to Port Isolation	-30 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	600 x 225 x 40 mm (23.6" x 8.9" x 1.6")
Weight	1.8 kg.
Connector	2 x N-Type, Female (bottom)
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	See ordering options

### Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 km/h (survival)
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

### Standard Compliance

ETSI EN 302 085 V1.2.3 – CS1

## Ordering Options

MA-WD35-DS15	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD35-DS15B	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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